

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20050031135"	US-PGPUB; USPAT	OR	ON	2007/04/26 08:41
L2	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/26 09:49
L3	878	((rank\$3 or order\$3) with (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:04
L4	689	L3 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 09:58
L5	72	L4 and ((rank\$3 or order\$3) with (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 09:58
L6	0	L4 and ((rank\$3 ) with (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 09:59
L7	94	((rank\$3 ) with (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/26 10:03
L8	61	L7 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 10:04
L9	12	L8 and ((rank\$3 ) with (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 09:59
L10	6444	((rank\$3 or best or superior\$1 or order\$1 ) near4 (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/26 10:14
L11	566	L10 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:17
L12	445	L11 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 10:17
L13	70	L12 and ((rank\$3 or best or superior\$1 o) near4 (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/26 12:47
L14	2134	((rank\$3 or compar\$3) near4 (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/26 10:17
L15	216	L14 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:33

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L16	146	L15 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 10:33
L17	18	L16 and (((rank\$3 or compar\$3) near4 (((inpulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:33
L18	3125	((rank\$3 or compar\$3 or optimum or best) near4 (((inpulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1))))	US-PGPUB; USPAT	OR	ON	2007/04/26 10:49
L19	345	L18 and ("381"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:33
L20	257	L19 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 12:48
L21	35	L20 and (((rank\$3 or compar\$3 or optimum or best) near4 (((inpulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:51
L22	161	((rank\$3 or compar\$3 ) near4 (((inpulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))) same (select\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 10:51
L23	116	L22 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 10:52
L24	29	(US-20030179891-\$ or US-20020072816-\$ or US-20030099365-\$ or US-20030235318-\$ or US-20020002464-\$ or US-20020159602-\$ or US-20020094103-\$ or US-20010033665-\$ or US-20040114771-\$ or US-20040091120-\$ or US-20020196951-\$ or US-20030187703-\$).did. or (US-7158844-\$ or US-4489319-\$ or US-6860363-\$ or US-7054448-\$ or US-4888809-\$ or US-7162045-\$ or US-4306113-\$ or US-7203639-\$ or US-6061648-\$ or US-7113609-\$ or US-6633632-\$ or US-6694038-\$ or US-5581621-\$ or US-5689572-\$ or US-7184556-\$ or US-5638343-\$ or US-6195435-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/26 12:32
L25	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/26 12:47

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L26	69	((superposition\$1) near4 (((impulse or frequenc\$3) near2 (response)) or (transfer near1 function\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/26 12:48
L27	42	L26 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 13:55
L28	417	(output or volume or level\$1) with (increas\$3 and decreas\$3) and (381/104-107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:54
L29	355	L28 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 14:10
L30	9	Devantier-Allan\$.in.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:10
S1	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/04 12:55
S2	190	(381/300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 09:37
S3	150	S2 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/26 09:53
S4	1855	(381/56-61.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 14:01
S5	1262	S4 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 09:44
S6	748	S5 and (speaker\$1)	US-PGPUB; USPAT	OR	ON	2007/04/04 09:54
S7	624	S6 and (correct\$3 near (parametric adj1 (equaliz\$3 or equalization\$1)) or frequenc\$3)\	US-PGPUB; USPAT	OR	ON	2007/04/04 09:51
S8	624	S6 and (correct\$3 near (parametric adj1 (equaliz\$3 or equalization\$1)) or frequenc\$3)	US-PGPUB; USPAT	OR	ON	2007/04/04 09:51
S9	0	S8 and (correct\$3 near (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 09:51
S10	0	S8 and (correct\$3 with (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:52
S11	12	S8 and ( (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 09:55
S12	5	S6 and (381/300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 09:55
S13	0	S12 and ( (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 09:55
S14	0	S12 and ( (parametric\$1 with (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 14:25
S15	1054	("381"/\$.ccls.) and (equaliz\$3 and (bass\$2 or low) and (room or mode))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:18

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S16	1855	(381/56-61.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 10:37
S17	1855	(381/56-61,300.ccls.) and S16	US-PGPUB; USPAT	OR	ON	2007/04/04 10:38
S18	229	(381/56-61,300.ccls.) and S15	US-PGPUB; USPAT	OR	ON	2007/04/04 10:38
S19	190	(381/300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 10:38
S20	150	S19 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 10:45
S21	160	S18 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 10:43
S22	13	S18 and (select\$3 near (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 10:44
S23	150	S20 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 10:44
S24	4	S22 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 12:45
S25	0	(modif\$4 or adjust\$3 or chang\$3 or vary or edit\$3 or amend\$3 or updat\$3) near (transfer\$1 adj1 function\$1) with (select\$3 near1 (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 12:59
S26	0	(modif\$4 or adjust\$3 or chang\$3 or vary or edit\$3 or amend\$3 or updat\$3) near (transfer\$1 adj1 function\$1) same (select\$3 near1 (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:00
S27	0	(modif\$4 or adjust\$3 or chang\$3 or vary or edit\$3 or amend\$3 or updat\$3) near (transfer\$1 near function\$1) same (select\$3 near1 (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:00
S28	0	((modif\$4 or adjust\$3 or chang\$3 or vary or edit\$3 or amend\$3 or updat\$3) near (transfer\$1 near function\$1)) same (select\$3 near1 (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:00
S29	49	((modif\$4 or adjust\$3 or chang\$3 or vary or edit\$3 or amend\$3 or updat\$3) near (transfer\$1 near function\$1)) same ( (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:01
S30	29	S29 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 15:54

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S31	7	(US-20030099365-\$ or US-20030235318-\$ or US-20020159602-\$ or US-20010033665-\$).did. or (US-7054448-\$ or US-4306113-\$ or US-5689572-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/04 13:41
S32	0	S31 and (select\$3 near (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:44
S33	381	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) near (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 13:45
S34	2268	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) with (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 13:44
S35	2	S31 and (select\$3 with (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 13:44
S36	0	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) near (speaker\$1)) and (S30)	US-PGPUB; USPAT	OR	ON	2007/04/04 13:45
S37	0	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) near (speaker\$1)) and (S31)	US-PGPUB; USPAT	OR	ON	2007/04/04 13:51
S38	381	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) near (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 17:36
S39	2268	((select\$3 or appropriat\$3 or choos\$3 or specify\$3) with (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 14:00
S40	1709	S39 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:38
S41	2	S40 and (correct\$3 with (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 14:00
S42	19	"4638505"	US-PGPUB; USPAT	OR	ON	2007/04/04 13:58
S43	1	"5581626".pn.	US-PGPUB; USPAT	OR	ON	2007/04/04 13:59
S44	1	"6031920".pn.	US-PGPUB; USPAT	OR	ON	2007/04/04 13:59
S45	2816	((select\$3 or appropriat\$3 or choos\$3 or specify\$3 or switch) with (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 14:23
S46	1207	S45 and ((correct\$3 with (parametric adj1 (equaliz\$3 or equalization\$1))) or (equaliz\$3 or equalization\$1 or gain\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 17:33
S47	931	S46 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 14:27

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S48	257	(381/56-61,300,104-109.ccls.) and S47	US-PGPUB; USPAT	OR	ON	2007/04/04 14:27
S49	5	S48 and ( (parametric adj1 (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 14:18
S50	2273	((select\$3 or choos\$3 or specify\$3 or switch) with (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 14:23
S51	498	(381/56-61,300,104-109.ccls.) and S50	US-PGPUB; USPAT	OR	ON	2007/04/04 17:36
S52	348	S51 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 14:24
S53	6	S52 and ( (parametric\$1 with (equaliz\$3 or equalization\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/04 14:25
S54	74	(381/56-61,300,104-109.ccls.) and (select\$3 near speaker\$1)	US-PGPUB; USPAT	OR	ON	2007/04/04 14:27
S55	37	S54 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 17:31
S56	29	S30 and (combin\$3 or add\$3 or summ\$3 or result\$3 near (transfer function\$1))	US-PGPUB; USPAT	OR	ON	2007/04/04 15:57
S57	29	S56 and (combin\$3 or add\$3 or summ\$3 )	US-PGPUB; USPAT	OR	ON	2007/04/04 15:57
S58	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/04 16:41
S59	11	"6,195435"	US-PGPUB; USPAT	OR	ON	2007/04/04 16:49
S60	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/04 17:29
S61	6	(analyz\$3 or measur\$3) same (statisti\$5 and ((standard and deviation\$1 and spatial\$2 and variance\$1)))and S46	US-PGPUB; USPAT	OR	ON	2007/04/04 17:33
S62	0	S61 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 17:34
S63	542405	S45 and ( (parametric adj1 (equaliz\$3 or equalization\$1))) or (equaliz\$3 or equalization\$1 or gain\$1)	US-PGPUB; USPAT	OR	ON	2007/04/04 17:34
S64	180	(analyz\$3 or measur\$3) same (statisti\$5 and ((standard and deviation\$1 and spatial\$2 and variance\$1)))and S63	US-PGPUB; USPAT	OR	ON	2007/04/04 17:33
S65	112	S64 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 17:35

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S66	542405	S65 and ( (parametric adj1 (equaliz\$3 or equalization\$1))) or (equaliz\$3 or equalization\$1 or gain\$1)	US-PGPUB; USPAT	OR	ON	2007/04/04 17:34
S67	112	S65 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/04 17:41
S68	0	(381/56-61,300,104-109.ccls.) and S67	US-PGPUB; USPAT	OR	ON	2007/04/04 17:36
S69	0	(S67) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/04 17:36
S70	112	S67 and (sound\$1 or audio\$1 or level\$1)	US-PGPUB; USPAT	OR	ON	2007/04/04 17:42
S71	28	S67 and (sound\$1 or audio\$1 )	US-PGPUB; USPAT	OR	ON	2007/04/04 17:42
S72	2844	((select\$3 or appropriat\$3 or choos\$3 or specify\$3 or switch) with (speaker\$1)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 08:46
S73	545208	S72 and ( (parametric adj1 (equaliz\$3 or equalization\$1))) or (equaliz\$3 or equalization\$1 or gain\$1)	US-PGPUB; USPAT	OR	ON	2007/04/23 08:46
S74	180	(analyz\$3 or measur\$3) same (statisti\$5 and ((standard and deviation\$1 and spatial\$2 and variances\$1)))and S73	US-PGPUB; USPAT	OR	ON	2007/04/23 09:22
S75	106	((select\$3 or (minimum\$1 and maximum\$1) or specific\$4) with (speaker\$1)) and (381/104-107.ccls. )	US-PGPUB; USPAT	OR	ON	2007/04/23 09:31
S76	77	S75 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 09:32
S77	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/23 09:22
S78	8	((select\$3 or (minimum\$1 and maximum\$1) or specific\$4) near analysis or analyz\$3) with (speaker\$1)) and (381/104-107.ccls. )	US-PGPUB; USPAT	OR	ON	2007/04/23 09:33
S79	5	S78 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 09:33
S80	1359	((select\$3 or (minimum\$1 and maximum\$1) or specific\$4) near analysis or analyz\$3) with (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 09:33
S81	946	S80 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 11:39

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S82	103	S81 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 09:34
S83	40	S82 and (select\$3 with speaker\$1)	US-PGPUB; USPAT	OR	ON	2007/04/23 10:30
S84	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/23 11:37
S85	4914	((transfer near function\$1) or (frequency near response\$1)) with (flat\$4 or consistent\$1 or consistency)	US-PGPUB; USPAT	OR	ON	2007/04/24 08:34
S86	894	S85 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 08:35
S87	700	S86 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 08:34
S88	0	S87 and ((transfer near function\$1) or (frequency near response\$1)) with (flat\$4 and efficien\$3 and (consistent\$1 or consistency))	US-PGPUB; USPAT	OR	ON	2007/04/23 11:42
S89	57	S87 and ((transfer near function\$1) or (frequency near response\$1)) with (flat\$4 and efficien\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:01
S90	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/23 11:44
S91	281	S87 and ((transfer near function\$1) or (frequency near response\$1)) and (test\$3 or anticipat\$3 or predict\$3 or statistic\$5)\	US-PGPUB; USPAT	OR	ON	2007/04/23 11:58
S92	281	S87 and ((transfer near function\$1) or (frequency near response\$1)) and (test\$3 or anticipat\$3 or predict\$3 or statistic\$5)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:59
S93	119	S92 and ((transfer near function\$1) or (frequency near response\$1)) same (test\$3 or anticipat\$3 or predict\$3 or statistic\$5)	US-PGPUB; USPAT	OR	ON	2007/04/23 11:59
S94	119	S93 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 13:48
S95	8	S94 and ((transfer near function\$1) or (frequency near response\$1)) with (flat\$4 and efficien\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:01
S96	25988	((transfer near function\$1) or (frequency near response\$1) or (frequenc\$3)) with (flat\$4 or consistent\$1 or consistency)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:17



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S97	2611	((transfer near function\$1) or (frequency near response\$1) or (frequenc\$3)) with (flat\$4 and efficien\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:21
S98	1954	S97 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 12:18
S99	493	S98 and (predict\$3 or statistic\$5 or anticipat\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:19
S100	12	S99 and ((transfer near function\$1) or (frequency near response\$1) or (frequenc\$3)) near (flat\$4 and efficien\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 12:57
S101	107	S99 and ((transfer near function\$1) or (frequency near response\$1) or (frequenc\$3)) near (flat\$4 )	US-PGPUB; USPAT	OR	ON	2007/04/23 12:57
S102	16	S101 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 13:48
S103	0	S102 and (statistic\$4 and predict\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 13:04
S104	14	S102 and (statistic\$4 or predict\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 13:06
S105	4	S102 and (statistic\$4 )	US-PGPUB; USPAT	OR	ON	2007/04/23 13:09
S106	14	S102 and (statistic\$4 or predict\$3 )	US-PGPUB; USPAT	OR	ON	2007/04/23 13:10
S107	10	S102 and (predict\$3 )	US-PGPUB; USPAT	OR	ON	2007/04/23 13:46
S108	1059	(select\$3 or switch\$3) same ( ((transfer near2 function\$1) or (frequency )) near2 (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/23 13:53
S109	836	S108 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:11
S110	128	S109 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:11
S111	55	S110 and (select\$3 or switch\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/23 13:56
S112	351	(select\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/23 14:10
S113	258	S112 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 13:57
S114	270	(speaker\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/23 16:06

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S11 5	209	S114 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:39
S11 6	141	S115 and ("381"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:26
S11 7	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/23 14:28
S11 8	13	((mean near spatial\$1) adj4 (variance\$1 or envelope\$1 or average\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 14:49
S11 9	7	S118 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:42
S12 0	2026	((spatial\$1) adj4 (variance\$1 or envelope\$1 or average\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 14:42
S12 1	537	S120 and (statistic\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:49
S12 2	383	S121 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:49
S12 3	96321	((mean or averag\$3) adj4 (variance\$1 or envelope\$1 or average\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 14:52
S12 4	22996	S123 and (statistic\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:49
S12 5	383	S122 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 14:50
S12 6	15692	S124 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:39
S12 7	70	S126 and ("381"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:50
S12 8	70	S127 and ((mean or averag\$3) adj4 (variance\$1 or envelope\$1 or average\$1 or (standard near deviation\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/23 14:53
S12 9	6956	S126 and ((mean or average) with (variance or (standard near1 deviation\$1) or envelope\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:03
S13 0	30	S126 and ((mean or average) with (variance and (standard near1 deviation\$1) and envelope\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:34
S13 1	1532	S126 and ((mean or average) with (variance and (standard near1 deviation\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:38
S13 2	3	S131 and ("381"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:36
S13 3	79	S131 and (("381"/\$.cccls.) or ("700"/\$.cccls.))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:36

## EAST Search History

S13 4	1283	S126 and ((mean or average) near5 (variance and (standard near1 deviation\$1)))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:43
S13 5	1283	S134 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 16:06
S13 6	3	S135 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:39
S13 7	1254	S135 and (area or space or location\$1 or parameter\$1)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:41
S13 8	0	S127 and ((mean or average) near5 (variance and (standard near1 deviation\$1 and envelop\$3)))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:44
S13 9	0	S127 and ((mean or average) near5 (variance and (standard near1 deviation\$1) and envelop\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:45
S14 0	24	S137 and ((mean or average) near5 (variance and (standard near1 deviation\$1) and envelop\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:45
S14 1	110	(speaker\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 (efficien\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 16:11
S14 2	99	S141 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 16:12
S14 3	1	(speaker\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 ( flat\$3 and efficien\$3 and consisten\$4))	US-PGPUB; USPAT	OR	ON	2007/04/23 16:35
S14 4	11	(speaker\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 ( flat\$3 and efficien\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 16:13
S14 5	10	S144 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 16:15
S14 6	52779	((transfer near2 function\$1) or (frequency )) with (efficien\$3)	US-PGPUB; USPAT	OR	ON	2007/04/23 16:14
S14 7	1204	S146 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 16:15
S14 8	938	S147 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 17:09
S14 9	51	S148 and (381/104-107,56,59.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 16:35
S15 0	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/23 16:25
S15 1	835	(speaker\$3) with ( ((transfer near2 function\$1) or (frequency )) near2 ( volume\$1 or amplitud\$1 or decibel\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/23 17:08

## EAST Search History

S15 2	61	S151 and (381/104-107,56,59.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/23 16:35
S15 3	43	S152 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 16:37
S15 4	3	"6061648"	US-PGPUB; USPAT	OR	ON	2007/04/23 16:44
S15 5	1	"7,184,556"	US-PGPUB; USPAT	OR	ON	2007/04/23 16:44
S15 6	405	((transfer near1 function\$1) or (frequency )) near3 ( flutter)	US-PGPUB; USPAT	OR	ON	2007/04/23 17:10
S15 7	291	S156 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/23 17:09
S15 8	6	S157 and (((transfer near1 function\$1) or (frequency )) near3 ( flutter)) with (select\$3 or choos\$3 or determin\$3 or designat\$3 or elect\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 17:14
S15 9	5	("381"/\$.ccls.) and (((transfer near1 function\$1) or (frequency )) near3 ( flutter)) with (select\$3 or choos\$3 or determin\$3 or designat\$3 or elect\$3))	US-PGPUB; USPAT	OR	ON	2007/04/23 17:18
S16 0	19	"4638505"	US-PGPUB; USPAT	OR	ON	2007/04/23 17:19
S16 1	11	"5581626"	US-PGPUB; USPAT	OR	ON	2007/04/23 17:20
S16 2	6	"6031920"	US-PGPUB; USPAT	OR	ON	2007/04/24 08:29
S16 3	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/24 08:33
S16 4	12734	((transfer near function\$1) or (frequency near response\$1)) with (amplitude\$1 or level\$1 or volume\$1 or decibel\$1)	US-PGPUB; USPAT	OR	ON	2007/04/24 08:35
S16 5	10300	S164 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 12:51
S16 6	1226	S165 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 08:35
S16 7	1069	S166 and ((transfer near function\$1) or (frequency near response\$1)) with (amplitude\$1 or level\$1 or decibel\$1)	US-PGPUB; USPAT	OR	ON	2007/04/24 12:51
S16 8	221	S167 and ((transfer near function\$1) or (frequency near response\$1)) with ((amplitude\$1 or level\$1 or decibel\$1) and (select\$3))	US-PGPUB; USPAT	OR	ON	2007/04/24 10:12

## EAST Search History

S16 9	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/24 12:46
S17 0	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/24 12:50
S17 1	7821	((consistent\$2 or consisten\$2) and (flat\$4)) and ((standard nar deviation\$1) and (variance\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 12:57
S17 2	5336	S171 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 12:51
S17 3	596	S172 and ((transfer near function\$1) or (frequency near response\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 12:52
S17 4	5	S173 and ((transfer near function\$1) or (frequency near response\$1)) with ((consistent\$2 or consisten\$2) and (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/24 12:58
S17 5	191	S173 and ((consistent\$2 or consisten\$2) and (flat\$4)) and ((standard near1 deviation\$1) and (variance\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 12:58
S17 6	0	S175 and ((transfer near function\$1) or (frequency near response\$1)) with ((consistent\$2 or consisten\$2) and (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/24 14:24
S17 7	10	S175 and ((transfer near function\$1) or (frequency near response\$1)) with ((consistent\$2 or consisten\$2) or (flat\$4))	US-PGPUB; USPAT	OR	ON	2007/04/24 13:14
S17 8	1	"7184556"	US-PGPUB; USPAT	OR	ON	2007/04/24 13:14
S17 9	11559	((transfer near function\$1) or (frequency near response\$1)) with ((level\$1 or amplitude\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 15:19
S18 0	1295	S179 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:17
S18 1	1045	S180 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 15:18
S18 2	108	S181 and ((transfer near function\$1) or (frequency near response\$1)) with ((pressure near1 level\$1 ))	US-PGPUB; USPAT	OR	ON	2007/04/24 15:06
S18 3	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/24 14:53
S18 4	45	S181 and ((transfer near function\$1) or (frequency near response\$1)) with ((efficienc\$2))	US-PGPUB; USPAT	OR	ON	2007/04/24 15:05

## EAST Search History

S18 5	0	(effecienc\$2 with (level\$1 and total))	US-PGPUB; USPAT	OR	ON	2007/04/24 14:58
S18 6	3400	(efficienc\$2 with (level\$1 and total))	US-PGPUB; USPAT	OR	ON	2007/04/24 14:58
S18 7	2	S184 and S186	US-PGPUB; USPAT	OR	ON	2007/04/24 14:59
S18 8	42360	(select\$3 or elect\$3 or specif\$3 or determin\$3) with ((transfer near function\$1) or (frequency near response\$1) or (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 15:10
S18 9	4609	S188 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:08
S19 0	3480	S189 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 15:09
S19 1	2353	S190 and (select\$3 or elect\$3 or specif\$3 or determin\$3) near5 ((transfer near function\$1) or (frequency near response\$1) or (speaker\$1))	US-PGPUB; USPAT	OR	ON	2007/04/24 15:20
S19 2	127	S191 and (381/104-107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:12
S19 3	54	S191 and (381/300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:17
S19 4	190	(381/300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:17
S19 5	190	S194 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 15:17
S19 6	150	S194 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 16:50
S19 7	55	((transfer near function\$1) or (frequency near response\$1)) and S196	US-PGPUB; USPAT	OR	ON	2007/04/24 16:51
S19 8	29	S197 and (select\$3 )	US-PGPUB; USPAT	OR	ON	2007/04/24 15:29
S19 9	3	"6061648"	US-PGPUB; USPAT	OR	ON	2007/04/24 15:30

## EAST Search History

S20 0	21	(US-20030179891-\$ or US-20030099365-\$ or US-20020002464-\$ or US-20030235318-\$ or US-20020159602-\$ or US-20010033665-\$ or US-20020072816-\$ or US-20020094103-\$).did. or (US-7184556-\$ or US-5689572-\$ or US-5581621-\$ or US-4306113-\$ or US-6633632-\$ or US-7158844-\$ or US-7054448-\$ or US-6061648-\$ or US-4489319-\$ or US-6860363-\$ or US-6694038-\$ or US-7162045-\$ or US-7203639-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/24 15:31
S20 1	3	S199 and S200	US-PGPUB; USPAT	OR	ON	2007/04/24 15:31
S20 2	0	((transfer near function\$1) or (frequency near response\$1)) and S201	US-PGPUB; USPAT	OR	ON	2007/04/24 15:33
S20 3	1	"20050031129"	US-PGPUB; USPAT	OR	ON	2007/04/24 16:33
S20 4	4	Rabinowitz-william\$.in.	US-PGPUB; USPAT	OR	ON	2007/04/24 16:36
S20 5	9	Devantier-Allan\$.in.	US-PGPUB; USPAT	OR	ON	2007/04/24 16:37
S20 6	6	Wolti-Todd\$.in.	US-PGPUB; USPAT	OR	ON	2007/04/24 16:48
S20 7	383	(efficient\$1 or efficienc\$3 or loudness or loud\$3 or level\$1 or amplitude) with (select\$3) and (381/104-107,300.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 16:53
S20 8	327	S207 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 17:39
S20 9	121	((transfer near function\$1) or (frequency near response\$1)) and S208	US-PGPUB; USPAT	OR	ON	2007/04/24 16:51
S21 0	24	S209 and (((efficient\$1 or efficienc\$3 or loudness or loud\$3 or level\$1 or amplitude) with (select\$3)) same (speaker\$1 or transduc\$3))	US-PGPUB; USPAT	OR	ON	2007/04/24 16:58
S21 1	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/24 16:57
S21 2	5	S209 and (((efficient\$1 or efficienc\$3 or loudness or loud\$3 or level\$1 or amplitude) near3 (select\$3)) same (speaker\$1 or transduc\$3))	US-PGPUB; USPAT	OR	ON	2007/04/24 16:58

## EAST Search History

S21 3	17	("4628530"   "4638506"   "4739513").PN. OR ("4888809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/24 17:02
S21 4	24	("3104729"   "3236949"   "4450322"   "4823391"   "4888809"   "5386478"   "5404406"   "5521981"   "5553149"   "5581626"   "5661808"   "5727066"   "5751815"   "5798922"   "5802180"   "5809149"   "5812674"   "5815578"   "5838800"   "5862227"   "6169806"   "6195435").PN. OR ("7113609").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/24 17:37
S21 5	172	((output or efficiency or efficien\$3 or flat\$4) with ((more or great\$3 ) and (select\$3))) and (381/300-311, 104-104.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 17:50
S21 6	124	S215 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/24 17:39
S21 7	4	((output or loud or loudness or level\$1) and (efficiency or efficien\$3)) with ((select\$3)) and (381/300-311,104-104.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/24 18:07
S21 8	1	"20050031143"	US-PGPUB; USPAT	OR	ON	2007/04/24 18:07
S21 9	1	"20050031135"	US-PGPUB; USPAT	OR	ON	2007/04/25 09:16
S22 0	5206	((impulse or frequenc\$3) near (response\$1)) or (transfer\$1 near function\$1)) with (equaliz\$3 or equalization\$1)	US-PGPUB; USPAT	OR	ON	2007/04/25 09:17
S22 1	4100	S220 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/25 13:55
S22 2	493	S221 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/25 09:18



## EAST Search History

S22 3	26	(US-20030179891-\$ or US-20020072816-\$ or US-20030099365-\$ or US-20030235318-\$ or US-20020002464-\$ or US-20020159602-\$ or US-20020094103-\$ or US-20010033665-\$ or US-20040114771-\$ or US-20040091120-\$ or US-20020196951-\$).did. or (US-7158844-\$ or US-4489319-\$ or US-6860363-\$ or US-7054448-\$ or US-4888809-\$ or US-7162045-\$ or US-4306113-\$ or US-7203639-\$ or US-6061648-\$ or US-7113609-\$ or US-6633632-\$ or US-6694038-\$ or US-5581621-\$ or US-5689572-\$ or US-7184556-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/25 10:21
S22 4	1	"20050031135"	US-PGPUB; USPAT	OR	ON	2007/04/25 13:54
S22 5	1	"20030179891"	US-PGPUB; USPAT	OR	ON	2007/04/25 11:04
S22 6	241	(speaker\$1 or transducer\$1) with (location\$1 or postion\$1) and (381/300,104-107,56-59.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/25 14:09
S22 7	175	S226 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/25 14:09
S22 8	305	(speaker\$1 or transducer\$1) near4 (location\$1 or postion\$1 or locat\$4) and (381/300,104-107,56-59.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/25 14:12
S22 9	214	S228 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/25 14:12
S23 0	110	S229 and (speaker\$1) near4 (location\$1 or postion\$1) and (381/300,104-107,56-59.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/25 14:12
S23 1	110	S230 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/25 15:16
S23 2	25	(combin\$3 with (superposition\$3)) and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/25 15:16
S23 3	15	S232 and (@ad<"20030804")	US-PGPUB; USPAT	OR	ON	2007/04/25 15:47
S23 4	3	"6,061648"	US-PGPUB; USPAT	OR	ON	2007/04/26 07:48